



# Inter-American Air Forces Academy (IAAFA)

## 2009 COURSE CATALOG

Lackland Air Force Base, Texas



## COMMANDANT'S MESSAGE

“Educated societies have always placed education as the foundation of their institutions.”

*Simón Bolívar*

It is a pleasure, both for me and for the Inter-American Air Forces Academy (IAAFA), to offer our customers this catalog of courses available at our academy for calendar year 2009. The catalog's purpose is to assist host governments and Security Cooperation Offices (SCOs) in the selection and preparation of students slated to attend training. In addition, this catalog serves as a reference for the United States Air Force (USAF) and other security assistance agencies.

IAAFA is part of the USAF's Air Education and Training Command. Commanders who decide to send students can rest assured graduates are fully prepared to carry out their duties, armed with the skills outlined in this catalog and in accordance with the highest standards.

The majority of the suggestions we received during our visits to your countries have been incorporated in this catalog. IAAFA will distribute revisions or additions made to this catalog during the calendar year and they will also appear on IAAFA's web page. Please forward proposed changes to 837 TRS/SSR, 2431 Carswell Avenue, Lackland AFB TX 78236-5609.

If you wish to receive additional copies of this publication, please address your request to 837 TRS/SSR, 2431 Carswell Avenue, Lackland AFB TX 78236-5609. Furthermore, there is an electronic version of this catalog on the Internet at the following web site: <http://www.lackland.af.mil/iaafa/index.asp>. This catalog replaces the 2008 catalog; therefore, all previous editions are obsolete.

I sincerely hope the students attending IAAFA courses have pleasant, productive stays, and the exchange of cultures and experiences will serve to further strengthen the bonds of friendship and cooperation among partner nations in the Global War on Terror.

MARIA L. CORDERO, Colonel, USAF  
Commandant

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## GENERAL INFORMATION

### IAAFA History

The Inter-American Air Forces Academy (IAAFA) was founded on 15 March 1943, at the request of Peru's Minister of Aeronautics, General Fernando Melgar. The academy trained 11 Peruvian students at Albrook Field, Panama Canal Zone, marking the first US aeronautics training in Latin America.

In the 1940s and 50s, the academy expanded and changed in response to potential conflicts in the Western Hemisphere and the world at large. The student load increased to 400 students per year. In 1952, the commandant established the format for today's IAAFA, emphasizing "hands-on" training, adding officer courses, and creating a "Student Support" responsible for military and athletic instruction and US cultural awareness. In response to US emphasis in Latin America, the academy changed its name from "Central and South American Air School" to "United States Air Force School for Latin America," to finally "Inter-American Air Forces Academy" in 1966.

On 30 September 1989, IAAFA closed its doors at Albrook AFS, Panama, and moved to Homestead AFB, Florida, reopening 100 days later on 9 January 1990. On 23 September 1992, following almost complete destruction by Hurricane Andrew, IAAFA relocated to Lackland AFB, Texas, once again opening its doors just under 100 days, on 11 January 1993. Today, IAAFA graduates an average of 800 students a year--quite a step up from the 11 students of 60 years ago.

### Student Selection Requirements and Prerequisites

The United States SCOs (SCOs/US Military Groups) and their host governments screen students selected by the host country to attend the academy. SCO training officers **must ensure each student meets all course prerequisites**. Deviations from the minimums established in this catalog must be approved on an individual basis by the IAAFA Commandant and are requested in advance in writing through AFSAT/TO, 2021 First Dr. West, Randolph AFB TX 78150-4302.

The SCO training officer must:

- a. Obtain the findings of an official and current physical examination from a designated medical authority for all prospective students certifying the individual is free of infectious diseases or other medical conditions, which would disqualify him/her from general military duty. The prospective trainee should receive all immunizations prescribed by the US Public Health Service as approved by the World Health Organization and must be free of active tuberculosis.
- b. Brief each selected student in accordance with AFI 16-105.
- c. Due to high security, brief the student that the academy is on a US military installation and the importance of abiding by the base rules and regulations.
- d. Accomplish security screening in accordance with AFI 16-105.

- e. Arrange transportation in accordance with AFI 16-105.
- f. Ensure students read the student guide (Guía Estudiantil) prior to departure.
- g. Provide 837TRS/SSR with students' arrival information (rank, name, sex, arrival date and time) no later than one week prior to the anticipated arrival dates to plan billeting and transportation requirements.

**NOTE: Students should arrive in San Antonio no later than one or two days prior to the class start date, but no earlier.**

- h. Students will arrive directly to building 7460 (Student Support) for in-processing.
- i. The academy's 24-hour point of contact numbers are listed below. Callers may dial the academy Toll Free line from overseas, but may still be assessed a calling charge by their in-country telephone service.

	From US	From overseas
<b>Toll free</b>	1-800-577-5926	*010-1 (800) 577-5926
<b>Commercial phone</b>	(210) 671-4406	010-1 (210) 671-4406
<b>DSN</b>	473-4406	(312) 473-4406
<b>Commercial Fax</b>	(210) 671-4799	010-1 (210) 671-4799
<b>DSN Fax</b>	473-4799	(312) 473-4799

### Academic Calendar

The academic calendar is divided into three classes. Below is the schedule of classes:

Class A – March - May

Class B – June - August

Class C – September - December

### General IAAFA Clothing Requirements

General clothing requirements are based on the need of each course. The following table identifies the general requirements for students attending courses at IAAFA. Review the course descriptions and specific requirements to find out if the course you are attending will be issuing additional clothing/equipment. See table 1.

COURSE LENGTH			
Officer and Enlisted	12 Weeks	Less than 12 weeks: Graduate at end of class	Less than 12 weeks: Do not graduate at end of class
Light blue short sleeve shirt w/trousers or equivalent	Students must bring	Students must bring	Students must bring
Service dress (coat & tie) or equivalent	Students must bring	Students must bring	Students must bring
Mess (formal) dress (if not available, then most formal uniform)	Students must bring	Students must bring	Not Required
Battle Dress Utilities (BDU)	Students must bring	Students must bring	Students must bring
Flight Suit	Not Required	Students must bring (See note)	Students must bring (See note)
Combat Boots	Students must bring	Students must bring	Students must bring
Athletic Attire	Issued by IAAFA	Issued by IAAFA	Issued by IAAFA
Specialized Gear	Issued by IAAFA (If required)	Issued by IAAFA (If required)	Issued by IAAFA (If required)

Table 1, General IAAFA Clothing Requirements

**Note:** Pilots attending Pilot Instrument Procedures Course (PIPC, L3OZR1210640SRA) and Instructor Pilot Instrument Procedures Course (PIPC, L3OZR1210650SRA) can bring BDUs if they do not have flight suits. All other students are required to bring BDUs, fatigues, or equivalent work uniforms.



**Physical Fitness Training (PT)**

IAAFA promotes physical fitness training to support the Air Force mission. The goal of the fitness program is to motivate all students to participate in a physical conditioning program that emphasizes fitness. **Physical fitness training is mandatory for all students.**

**Grading System**

Grades for courses shall be recorded by the following grades below:

<b>Blocks with Knowledge tests</b>	<b>Blocks with Performance tests</b>
70 – 100 Pass	S = Satisfactory
0 – 69 Fail	U = Unsatisfactory

**Awards**

**(Note: To be eligible for the following class awards, students must attend/complete a 5-week course or longer.)**

*Commandant's Award.* This is presented to one officer and one enlisted student for overall academic achievement, leadership, military bearing, and behavior, as well as individual contributions to the academy and sports.

*Academic Achievement Award.* This is presented to one officer and one enlisted student who maintain the highest overall academic average among all eligible attendees.

*Sports Awards.* Team and individual (officer and enlisted) awards are presented on Field Day to members of winning teams participating in the academy's organized sports program.

*Outstanding Athlete Award.* Presented to the best all-around athlete, officer and enlisted, on the basis of ability, sportsmanship, and participation in the academy's organized sports program.

*Diploma Recognition.* The Distinguished Graduate Program – The Distinguished Graduate (98% grade point average or higher) Program will recognize outstanding achievement in all graduating courses throughout the year. The Distinguished Graduate Program may recognize up to, but not to exceed 10 percent of a graduating course. Each selection is based on the whole-person concept rather than on academics or performance skills alone. All others not receiving the Distinguished Graduate award who score 95%-100% overall will graduate as Honor Graduates.

**Note: PME courses will follow the USAF Air University's award guidelines.**

**Field Studies Program (FSP)**

The FSP is a DoD program designed to provide a balanced understanding of the US culture, society, and way of life to all foreign military trainees attending courses in the US. The academy has a very active FSP. Students will have the opportunity to participate in cultural and educational events and visits to several local and state government institutions. As part of the FSP, IAAFA has an “Amistad Program.” This program involves the sponsorship of students by base and local volunteer families and allows students to become familiar with US family and cultural values. Though it is a goal of the program, not all students may be able to obtain “sponsors.”

Finally, as part of the DoD FSP activities offered at IAAFA, the academy hosts a Cultural Night during which students perform skits, music, and dance routines typical of their countries. It is beneficial for students planning to participate to bring any music, costumes, and/or props necessary for their performances, as they are not readily available in San Antonio.

**Grievance Procedures**

The academy’s student grievance procedures are very clear. If any student has a grievance while at IAAFA, they can contact the student support IMSO to make a grievance at the address below. The student support IMSO will investigate the circumstances and report them to the squadron commander. The student will be notified of the resolved matter.

837 TRS/SSC  
2431 Carswell Ave  
Lackland AFB TX  
78236-5609  
DSN: 473-5593  
Commercial: (210) 671-5593

**Accompanied Students**

The academy highly discourages students from bringing their dependents to San Antonio. This creates an added burden for the student and the academy. All academy students live on base. Long academic days and study requirements leave little available time for family matters. IAAFA cannot alter training programs to meet the specific requirements of students with dependents. If the student still desires to bring a spouse/dependent, he/she should consider the many logistical problems they will encounter (i.e., ineligibility to use base facilities, very long distances and lack of transportation, dependent’s inability to conduct daily business due to language differences, isolation/boredom, etc.)

**Base Exchange (BX) Privileges**

All students are authorized full privileges in the Base Exchange system.

### Civilian Clothing

Students may purchase civilian clothing at the local Base Exchange facilities. Temperatures in San Antonio fluctuate depending on the time of year. Light to medium weight clothing is appropriate year-round. A sweater or light jacket is also recommended for spring and autumn months since the temperature can drop from the mid-80s (27° C) to the mid-40s (4° C) in a matter of hours. Heavier clothing is recommended for the winter months; though again, the temperature may reach well above 60° F (16° C) during the day, low norms for winter range between 30° and 60° F (0° C and 16° C). Additionally, heavy rain may be expected during spring and fall months.

### Meals

Meals are provided for students at a base dining facility. All enlisted students that do not receive Temporary Living Allowance (TLA) through IAAFA must pay for their meals. All officer students, regardless of funding status, pay for their meals. All other students sign a cashier's log for daily meals and charges, which are reimbursed through the respective FMS, IMET, INL, or 10-04 channels. Students attending courses taught by security forces will need to make a one-time payment of approximately \$20-\$30 for SRT course and \$80-\$100 USD for the Ground Defense Skills (GDS) course to cover the cost of Meals-Ready-To-Eat (MRE) during their field training phases. Due to the requirement in advance for MREs, this amount will be collected at the beginning of the class. Students must be prepared for the cash outlay shortly after arrival. This is in addition to the funds referenced in the following paragraph.

### Funds

Officers and enlisted personnel under IMET sponsorship will receive a living allowance to cover meals and incidental expenses as per DOD 5105.38M, Chapter 10, ***unless otherwise indicated by the International Travel Orders (ITO)***. SCO training officers must ensure all students know their pay, allowances, and obligations to the US government are due prior to their departure. IAW AFI 16-105, International Military Students (IMS) should have in their possession upon entry into the US sufficient funds to cover expenses for a minimum of 30 days. First payment after arrival may take up to 4-weeks (holidays not included).

### Baggage

Students are authorized a baggage allowance per DOD 5105.38M, Chapter 10, when travel is paid by IMET. Baggage must accompany the student. For portions of the travel funded by the host country, the baggage allowance is determined by the host country or current airline limits. ***IAAFA WILL NOT BE RESPONSIBLE FOR EXCESS BAGGAGE. In addition, IAAFA cannot store or mail any excess baggage left behind due to overweight violations.***

### Firearms Policy

No students will be permitted to import firearms into the US while on an ITO from the USAF.

**Smoking Policy**

All work centers, billeting/lodging rooms, and most recreational facilities at Lackland AFB are smoke-free. Smoking is allowed in designated areas only.

**Mail**

Student mail should be addressed as follows:

Rank/Name of Student  
PCS #2/IAAFA/Country  
2220 Andrews Ave, Unit 362800  
Lackland AFB TX 78236-3628

**Leave and Absence**

Students desiring to take leave or drive back to their home countries upon completion of training must have authorization included in their ITOs.

**Medical Care**

Students will receive medical care IAW AFI 16-105, reimbursable through respective IMET, FMS, INL, or 10-04 channels. Eyeglasses are not provided. **IMPORTANT:** Please refer to “General” section, Student Selection Requirements and Prerequisites, paragraph “a”, concerning medical screening of students prior to attendance at IAAFA.

**Dental Care**

Students will only receive **EMERGENCY treatment** dealing with extraction and the relief of pain in accordance with AFI 16-105.

**Driver’s License**

Consult with the Students Affair Section upon arrival at IAAFA.

**Applicable Directives and Manuals**

DoDM 5105.38, Security Assistance Management Manual (SAMM)  
AFI 16-103, Managing the Defense English Language Program  
AFI 16-105, Joint Security Assistance Training (JSAT) (Inter-Service)  
Education and Training Course Announcements, <https://etca.randolph.af.mil/>  
AETCI 36-2203, Technical and Basic Military Training Development  
AETCI 36-2215, Training Administration  
IAAFA OI 36-5, Student Conduct and Disciplinary Standards

## COURSES

### Background

Courses offered are based on historical needs (i.e., courses are kept from year to year), US strategic objectives as described in the US Southern Command Theater Engagement Plan, and customer country requirements. Customer countries can request new courses directly to IAAFA by two means: as honorary directors of the academy, air forces commanders can contact the academy directly, and also through the System of Cooperation Among the American Air Forces' (SICOFAA) Human Resources, A3 Operational Committee. Final decision on development and implementation of new courses occurs during the IAAFA Curriculum Review Advisory.

### Human Rights Training

All students receive Human Rights training during their attendance at IAAFA.

### Course Design

a. **First Level Courses.** Courses are designed for entry-level training in the respective career field and are designed to complement in-country training programs. They cover the fundamental skills and knowledge to enable the student to perform on the job under the supervision of an experienced individual. Graduates are semi-skilled and can progress to the fully-skilled level by undergoing on-the-job training.

b. **Advanced Courses.** These courses are designed to train individuals in specific systems primarily at the specialist or supervisor level. **Note:** Students scheduled to attend these courses must have completed, as a minimum, a basic course in the related field or have at least two years of practical experience in the specialty in addition to meeting all other prerequisites.

### Course Numbers

IAAFA uses the AETC course numbering system which includes a 15-digit course number (example is L3AZR1234560SRA). This numbering system will be used throughout the catalog and to identify each course, except PME courses. The last letter in the course number identifies the revision of the course. The MASL number will be used in the course number (ex. L3AZR1234560SRA). Use the MASL numbers in all communications between IAAFA and AFSAT.

### Graduation Requirements

Students achieving a cumulative grade of 70% or above (80% for pilot courses) will have completed their respective courses successfully and will receive a diploma at a graduation ceremony. Those who do not achieve the minimum of 70% may be returned to their country with a letter of attendance and a letter explaining the failure with recommendations for additional training. Students must attend the graduation banquet to receive a diploma.

**PROFESSIONAL MILITARY EDUCATION**

COURSE NUMBER	COURSE NAME	LENGTH
MASL D171032	Inter-American Squadron Officer School (ISOS)	7 Weeks
<b>STUDENT LOAD:</b> MIN: 10      MAX: 14		

**1. Course Description:** This course is the program taught at the USAF Squadron Officer's School (SOS) at Maxwell AFB, which prepares USAF captains for increased leadership responsibilities and is their next step in the Professional Military Education (PME) ladder. The curriculum is developed by the Squadron Officer College under USAF Air University guidelines. After completing this course, officers will have acquired new tools to enhance their leadership skills. Graduates will have practiced new problem-solving, teambuilding and mentoring techniques in order to lead and motivate personnel to accomplish the mission. Course activities challenge each student to apply newly learned principles successfully and to influence group dynamics, cohesion, and effectiveness in a positive manner. ISOS is a course for officers, who had or will complete their own Air Force academic requirements for promotion to the rank of major; or as a required course for promotion, if the academic structure of their country is similar to that of USAF.

**2. Course Requirements:**

2.1. Eligibility: Officers in the grade of O-3 or equivalent as well as civilians equivalent to the Department of Defense grade of GS-9 and above (consult MILGROUP for grade equivalency). Graduates of in-residence Squadron Officer School, Maxwell AFB, AL (MASL D171003) are not eligible to attend. Must have basic computer knowledge in order to accomplish writing and briefing assignments as well as electronic readings related to curriculum.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity required for field team building and leadership activities. Student will be expected to be in good physical condition which includes 3 mile runs, sit-ups and pushups. ISOS standards are provided below for reference. Run times below are for the 3 mile distance. Sit-up and Push-up standards are based on "good" performance in the 1-minute Air Force physical fitness test events.

ISOS Fitness Standards (Updated 11 May 07)								
MALE	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
Run	28:00		29:30		31:11		34:00	
Sit-Ups	48	46	44	42	39	37	35	32
Push-Ups	49	45	40	35	31	27	25	24
FEMALE	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
Run	32:30		34:00		38:00		39:00	
Sit-Ups	44	40	35	33	30	28	26	23
Push-Ups	31	28	26	21	15	13	12	11

2.3. **Uniform/Equipment:** See General Clothing Requirements in General Information section. May bring own running shoes.

**3. Other Information:** Students are required to make a current job/current events presentation; therefore, it is highly encouraged to bring support material, preferably in electronic form (i.e. maps, history, tourism, current events).

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP/TSCP objectives: M3b, M3i, M4d, M5a, M5c, and M5e.



COURSE NUMBER	COURSE NAME	LENGTH
MASL D171033	Inter-American Noncommissioned Officer Academy (INCOA)	7 Weeks
<b>STUDENT LOAD:</b> MIN: 8      MAX: 14		

**1. Course Description:** This course is the USAF Noncommissioned Officers Academy (NCOA) course which prepares NCOs for more advanced leadership and management responsibilities. It is the next level of Professional Military Education (PME) designed for those assuming senior NCO leadership positions. The curriculum is developed by the College of Enlisted PME under USAF Air University guidelines. Instruction is directed at the improvement of leadership skills. Students learn time and stress management, concepts of human behavior, as well as implementing quality in the workplace. This course includes the following units of instruction: profession of arms, leadership, and communication.

**2. Course Requirements:**

2.1. Eligibility: Noncommissioned Officers in the grades equivalent to USAF Staff Sergeant (E-5) through Master Sergeant (E-7). Graduates of USAF NCO Academy (MASL 171007) are not eligible to attend. Civilian equivalents may attend with prior coordination.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Must meet minimum physical requirements established by individual country's directives.

2.3. Uniform/Equipment: See General Clothing Requirements in General Information section.

**3. Other Information:** Students are required to make a country presentation; therefore, it is highly encouraged to bring support material (i.e. transparencies, maps, history, tourism, current events).

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M3b, M3i, M4d, M5a, M5c, and M5e.

- **Note:** To get the most out of the Inter-American Noncommissioned Officer Academy (INCOA) course (MASL 171033) and have a student that can better meet future leadership challenges, we ***highly encourage*** attending the On-the-Job Training (OJT) course (MASL 162030) offered just before the INCOA course. Elements of the OJT course are used and applied during the INCOA course. The countries not only save funds but also get two courses during one visit to IAFA. It is common to receive requests for the OJT course after students have attended the INCOA course.

**OPERATIONS AND SUPPORT TRAINING COURSES**

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1170600SRA (MASL D117060)	Human Factors in Aviation	1 Week
<b>STUDENT LOAD:</b> MIN: 8                      MAX: 20		

**1. Course Description:** This course is targeted for aircrew members, officers and NCOs, required to be familiar with human factors that may affect their performance. The course analyzes frequent physical emotional and medical events that may impede the normal response during the daily work that requires full concentration. The students will become aware of several human factors that may increase the risk for fatal errors. The course duration is 4.5 days, 8 hours a day, and includes a half-day tour of the altitude chamber at Brooks AFB.

**2. Course Requirements:**

2.1 Eligibility: Any aircrew member as long as the rank is no higher than USAF Lt Colonel O-5, police or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: No speech or hearing impediments.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: BDU's or flight suits.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, and M5a.

COURSE NUMBER	COURSE NAME	LENGTH
L3OZR1210640SRA (MASL 121064)	Pilot Instrument Procedures	11 Weeks
<b>STUDENT LOAD:</b> MIN: 6            MAX: 12		

**1. Course Description:** This course helps prepare pilots for flying missions under Instrument Meteorological Conditions (IMC) and in accordance with Instrument Flight Rules (IFR). It will teach both Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) rules and procedures. Students will learn the use of various charts, navigational aids, and instrument flight procedures, to include basic fundamentals and planning of international flight plans. As there is no actual flight training involved, and application is taught via flight simulators, graduates of this course will still be required to apply these procedures in their respective weapon systems with an experienced instructor or evaluator in order to be fully qualified for instrument operations.

**2. Course Requirements:**

2.1. Eligibility: This course is designed for ranks of O-1 through O-5, police or civilian equivalent. Students must be a current and qualified pilot in his/her primary aircraft, must have flown within the 6 months preceding attendance and must have a minimum of 200 hours of fixed or rotary wing experience after their formal flying course. The candidate should have a minimum of 20 hours of instrument flight time.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: No hearing or speech impediments.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements, students are encouraged to bring flight suits and flight boots.

**3. Other Information:** Students are encouraged to bring examples of home field instrument approach charts and maps to share with the class.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4b, M4c, M4d, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3OZR1210650SRA (MASL 121065)	Instructor Pilot Instrument Procedures	11 Weeks
<b>STUDENT LOAD:</b> MIN: 6            MAX: 12		

**1. Course Description:** This course is designed to help prepare pilots with experience in instrument flying procedures to become instrument flight instructors. This course will reinforce the concepts, which are introduced in the Pilot Instrument Procedures Course (MASL D121064) and also familiarize students with instrument flight procedures and rules on instructional procedures and techniques necessary to perform instructional duties. Instruction covers both Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) rules and procedures. As there is no actual flight training involved and application is taught via flight simulators, graduates of this course will still be required to apply these procedures in their respective weapon systems with an experienced instructor or evaluator in order to be fully qualified for instrument flight operations.

**2. Course Requirements:**

2.1. Eligibility: This course is designed for ranks of O-1 through O-5, police or civilian equivalent. Students must be a current and qualified pilot in their primary aircraft, must have flown within the 6 months preceding attendance and must have a minimum of 300 hours as an aircraft commander/pilot in command. The candidate must have a minimum of 20 hours (50 hours desired) of instrument flight time. It is also desirable for the candidate to have completed instructor qualification prior to attendance.

2.2. Training: Students should have completed the Pilot Instrument Flight Procedures course or equivalent training. Where equivalent training is claimed and the course is not part of an IAAFA approved equivalency list, the academy will make the equivalency determination.

2.3. Physical/Medical:

2.3.1. Vision: Normal (20/20 with or without glasses).

2.3.2. Speech: No hearing or speech impediments.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements, students are encouraged to bring flight suits and flight boots.

**3. Other Information:** Students are encouraged to bring examples of home field instrument approach charts and maps to share with the class.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4b, M4c, M4d, M5c, and M5e.

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COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1221050SRA (MASL 122105)	Weapons Safety	6 weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** Provides training for international personnel who are assigned to weapons safety management. Includes the organization of the US Air Force safety program; governing non-nuclear standards; support agreements; safety council/meetings; weapon safety training and education; weapon safety representatives; inspections and evaluation; flight line munitions operations; Operational Risk Management (ORM); weapons safety program management; mishap classifications and categories mishap investigation techniques; mishap reports; weapon safety inspection requirements; munitions storage methods; transportation of munitions; quantity-distance separations; weapons ranges, siting, waivers, exemptions, and deviations; site plan packages; Air Force explosive exemption data base, and contingency operations.

**2. Course Requirements:**

2.1 Eligibility: Open to military members between the ranks of E-5 through O-5, police or civilians equivalent that performs or plans to perform weapons safety duties. Munitions experience is desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A6, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M1a, M3b, M3i, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AQR1260130SRA (MASL 126013)	Anti-terrorism Level I Course	1 Week
<b>STUDENT LOAD:</b> MIN: 10                      MAX: 20		

**1. Course Description:** This course is designed to instruct all members of the armed forces and their civilian counterparts, regardless of specialty and or rank, the basic concepts of antiterrorism. The course provides training in the characteristics of terrorist operations, describing the phases of a terrorist incident, discussing the most common terrorist acts, explaining the types of weapons used by terrorists, and identifying the countries that supply the major portion of terrorist weaponry. This course includes the following unit of instruction: Fundamentals of Terrorism.

**2. Course Requirements:**

2.1 Eligibility: Personnel may be from any specialty, military, police, or civilian no higher than the rank of O-6 or equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: No speech or hearing impediments.

2.2.3. Physical: Normal dexterity.

2.3. Uniform/Equipment: Uniform: See general clothing requirements. All required specialized gear will be provided.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M1b, M1c, M1e, M2b, M3i, M4a, M5a, and M5c.

- **Note:** To get the most out of the Anti-terrorism (AT) level I and II (MASLs 126013 and 126014) and have a student that can better meet the challenging demands of the career field, we ***highly encourage*** attending also the Special Reaction Team (SRT) course (MASL 173067) offered just after the AT courses. Elements of AT level I and II are used and applied during the SRT course. The countries not only save funds but also get three courses during one visit to IAAFA.

COURSE NUMBER	COURSE NAME	LENGTH
L3AAR1260140SRA (MASL 126014)	Anti-terrorism Level II Course	1 Week
<b>STUDENT LOAD:</b> MIN: 10                      MAX: 20		

**1. Course Description:** The course is designed to prepare mid-level to high-ranking members of any branch of the military or civilian counterparts to advise installation commanders on antiterrorism matters. The course provides training in the roles of the Intelligence (INTEL) and Counterintelligence (CI) agencies. The student will be able to identify basic physical security considerations as they apply to installations and facilities. The objective of this lesson is to familiarize the student with the purpose of the vulnerability assessment, the functions of the assessment, and the process one must go through in order to conduct an assessment. The vulnerability elements associated with an assessment, the application of physical security and assessments, and the procedures for actually conducting an assessment will be discussed. This course includes the following unit of instruction: Dynamics of Terrorism.

## **2. Course Requirements:**

2.1. Eligibility: Personnel must have completed the Antiterrorism Level I course and no higher than the rank of O-6 or equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: Uniform: See general clothing requirements. All required specialized gear will be provided.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M1b, M1c, M1e, M2b, M3i, M4a, M5a, and M5c.

- **Note:** To get the most out of the Anti-terrorism (AT) level I and II (MASLs 126013 and 126014) and have a student that can better meet the challenging demands of the career field, we ***highly encourage*** attending also the Special Reaction Team (SRT) course (MASL 173067) offered just after the AT courses. Elements of AT level I and II are used and applied during the SRT course. The countries not only save funds but also get three courses during one visit to IAAFA.



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COURSE NUMBER	COURSE NAME	LENGTH
L3AQR1410840SRA (MASL 141084)	Quality Assurance	3 weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This is a fundamental course designed for highly dedicated individuals aspiring to enhance their understanding on the concepts of today's quality technology as it relates to an aircraft maintenance industry. The focus of this course is on the universal principles for establishing a Quality Assurance Program. The course provides training on the knowledge and skills necessary to perform various duties within a Quality Assurance (QA) organization. This fast-paced training is composed of three blocks of instruction covering the aircraft QA program in its entirety. The concepts of this course are presented in a context that enhances the understanding of the fundamental theories and methods for a better appreciation of a Quality System.

**2. Course Requirements:**

2.1. Eligibility: Open to military members between the ranks of E-5 through O-5, police, or civilians equivalent that performs or plans to perform QA related duties.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M3i, M5a, M5c, and M5e.

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COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1520540SRA (MASL 152054)	International Logistics	9 Weeks
<b>STUDENT LOAD:</b> MIN: 6                      MAX: 16		

**1. Course Description:** This course is designed for officers, NCOs and/or civilian personnel assigned to or projected for assignment to materiel management/logistics leadership positions. This course prepares students for leadership positions in the materiel management/logistics field by introducing them to the latest principles of management, funds management, management of reparable assets, fuels management and the Foreign Military Sales (FMS) program. This course includes the following units of instruction: introduction to management, logistics organizations, supply publications, material management, fuels management, foreign military sales and STARR/PC2.

**2. Course Requirements:**

2.1. Eligibility: Officers in the grades of O-1 through O-6, enlisted personnel in the grades of E-6 through E-9, police, or civilian equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal manual dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3b, M3i, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1520550SRA (MASL 152055)	Materiel Management	9 Weeks
<b>STUDENT LOAD:</b> MIN: 6            MAX: 16		

**1. Course Description:** This course is designed for officers, NCOs, Airmen and/or civilian personnel working in base supply or supply-related functions. The course prepares supply specialists and first line supervisors to assume entry-level supply responsibilities. The students receive training on how to identify, inventory, account, and manage property. They also learn how to set up a warehouse and how to operate materiel handling equipment to include training on forklift safety and how to operate it. This course includes the following units of instruction: supply organization, supply publications, inventory management, warehousing and storage principles, materiel storage and distribution processes, and supply automated management and warehousing applications.

**2. Course Requirements:**

2.1. Eligibility: Newly commissioned officers in the grade of O-1 through O-3, enlisted personnel in the grade of E-1 through E-6, police, or civilian equivalent who perform or will perform inventory management and warehouse functions.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Speech: No hearing or speech impediments.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M5c, and M5e.

*Note: This course used to be called Supply Management.*

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1550650SRB (MASL 155065)	Information Technology	8 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 10		

**1. Course Description:** The course is designed for students who work or will work with computers and other information systems. Students with no experience or those with limited formal computer training will significantly benefit from the course. Classes are structured to enhance the student's technical proficiency when using computers, other automated equipment, and office applications. The classes also provide valuable hands-on experience necessary for the installation and configuration of hardware, software, operating systems, and application programs similar to the professional A+ Commercial Certification. Information, computer, and network security are at the forefront of every lecture and the underlying theme of the entire course. Upon completion, students are considered Level 1 System Administrators capable of tackling most common and some complex information systems problems. Additionally, students are equipped with the knowledge and tools to dramatically improve the security of their respective military network. This course includes the following units of instruction: information technology security concepts, operating systems, application software, and utility software.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-5, police, or civilians equivalent who work with information technology systems. Basic personal computer knowledge is highly desirable, but not necessary.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Other Information:** Members are encouraged to bring situations from their countries to discuss in class.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A3, and A6 and the following DOD/USNORTHCOM/TSCP objectives: M1c, M3i, M4a, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1620300SRA (MASL 162030)	On-the-Job Training Administration	4 Weeks
<b>STUDENT LOAD:</b> MIN: 4      MAX: 10		

**1. Course Description:** This course provides training for officers, NCOs and civilians to enable them to effectively develop, administer and evaluate On-the-Job Training (OJT) Programs. The course is oriented for middle to upper-level training supervisors and managers who are directly involved with job specific training activities. The training concepts taught in this course are easily adaptable to any professional specialty and include how to plan an OJT program, administer training, evaluate training programs, prepare training directives, and document an OJT program. This course includes the following units of instruction: OJT organization, and how to conduct, evaluate, and document training.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent who administers or manages OJT training activities and functions.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: No special uniforms or equipment are required other than those mentioned in the General Clothing Requirements.

**3. Other Information:** Students are encouraged to bring examples of unit training programs to share with the class.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M3i, M5a, and M5c.

- **Note:** To get the most out of the On-the-Job Training (OJT) course (MASL 162030) and have a student that can better meet future leadership challenges, we **highly encourage** attending the Inter-American Noncommissioned Officer Academy (INCOA) course (MASL 171033) offered just after the OJT course. Elements of the OJT course are used and applied during the INCOA course. The countries not only save funds but also get two courses during one visit to IAAFA.

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COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1660410SRB (MASL 166041)	Basic Instructor Course	8 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 10		

**1. Course Description:** This course prepares experienced officers, NCOs and civilians to perform instructor duties in their respective specialty. Top Air Force technical training concepts and techniques taught in this course ensure instructors deliver quality instruction. The course is designed to give the student a fundamental base of knowledge, not only of how to conduct classroom instruction, but how to develop a curriculum as well. The course uses extensive practical exercises to build the student's presentation skills. The end result is a fully certified instructor ready to meet the most demanding instructional assignments. This course includes the following units of instruction: fundamentals of teaching, instructional development and counseling.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-5, police, or civilians equivalent with at least two years advanced technical area knowledge or experience within their respective specialty or field.

NOTE: Pilots requiring preparation for instrument pilot instructor duties should be enrolled in the Instructor Pilot Instrument Procedures course, MASL D121065.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: No special uniforms or equipment are required other than those mentioned in the General Clothing Requirements.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2 and A6 and the following DOD/USNORTHCOM/TSCP objectives: M3i, M5a, and M5c.

*Note: This course used to be called Technical Training Instructor.*

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COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1720230SRA (MASL 172023)	Intelligence Operations Course	6 Weeks
<b>STUDENT LOAD:</b> MIN: 5      MAX: 12		

**1. Course Description:** The course is designed for officers, enlisted, National Police and civilian equivalent requiring basic intelligence operations experience in order to be knowledgeable, skilled, and qualified to support the interoperability of the USAF and Allied nations during coalition operations. Focus is at the operational level supporting squadrons, wings, and Air Operations Centers. This course includes the following units of instruction: mission planning and force employment, introduction to intelligence, intelligence support to air operations, targeting, maps and charts.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-5, police, or civilians equivalent. Attendees should be assigned to an intelligence unit position or have an additional duty of Intelligence Officer, NCO or equivalent. Some basic computer skills, particularly PowerPoint, are highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Other Information:** Members are encouraged to bring situations from their countries to discuss in class.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A3, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M1a, M1b, M1c, M1d, M1e, M3i, M4a, M4b, M4c, M4d, M5a, M5c, and M5e.

***Note:** This course used to be called Introductory Air Intelligence.*

COURSE NUMBER	COURSE NAME	LENGTH
L3AAR1730560SRA (MASL 173056)	Ground Defense Leadership Course	8 Weeks
<b>STUDENT LOAD:</b> MIN: 31                      MAX: 44		

**1. Course Description:** This course is designed for security forces personnel (defenders) of any branch charged to protect key resources in the field needed to sustain air operations during peacetime or contingencies. Training includes concepts and principles/threat spectrum, the handling of prisoners of war, and law of armed conflict, tactical communications, night training and elementary night movement, patrolling and land navigation, personal hygiene/field sanitation, tactical vehicle deployment, camouflage individual/equipment, listening/observation posts, range determination, warning/operations orders, hand and arm signals, cover and concealment, tactical sentry duties, move under direct fire/move over, through, and around obstacles, weapons training. Students will participate in field training exercises, which simulate patrol and urban defense. This course includes the following units of instruction: Basic Principles of Defense, Fundamentals of Defense, and Functions of Air Base Defense.

## **2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-5, police, or civilians equivalent. Personnel not in a security forces or police specialty code may attend with prior coordination.

2.2. Physical/Medical: Top physical condition, NO injuries that could prevent member from training.

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.2.4. The following is a table of minimum physical requirement on the first day of training:

Age	Minimal Push-Ups Required	Minimal Sit-Ups Required	2-Mile Run Time
17-21	52	62	≤14:54
22-26	50	57	≤15:36
27-31	48	52	≤16:18
32-36	43	48	≤17:00
37-41	42	43	≤17:42
42-46	36	39	≤18:06
47-51	32	37	≤18:36



**\*Note:** It is imperative to note that students not meeting the minimum physical fitness requirements will be removed from the course. Country managers should ensure that personnel selected to attend this course assess their students' physical condition prior to course attendance using the standards listed above.

2.3. Uniform/Equipment: Uniform: See general clothing requirements. All required specialized gear will be provided.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M1a, M1b, M1c, M1d, M1e, M2a, M2b, M3b, M3i, M4b, M4c, M4d, M5a, M5c, and M5e.

- **Note:** To get the most out of the Ground Defense Leadership Course (GDLC) course (MASL 173056), students are **highly encouraged** to attend the Anti-terrorism (AT) level I and II (MASLs 126013 and 126014) courses prior to attend the GDLC course. Elements of AT level I and II are used and applied during the GDLC course. The countries not only save funds but also get three courses during one visit to IAAFA.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1730670SRA (MASL 173067)	Special Reaction Team	7 Weeks
<b>STUDENT LOAD:</b> MIN: 12                      MAX: 22		

**1. Course Description:** This course is designed for mid-level security forces members of any branch charged to manage high-risk situations. After completing this course, graduates will have learned SRT tactics to include how to respond to high risk incidents, familiarization with five different weapons systems focusing on safety and proper weapon handling techniques. Also, they will have learned basic rappel tactics/tactical rappelling, window entry techniques, bus and vehicle assaults. All this training will enable members to support the war against terror as well as counter-narcotics operation, peacekeeping efforts and natural disaster response. This course includes the following units of instruction: SRT fundamentals, and SRT tactics.

## **2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-5, police, or civilians equivalent. Personnel not in a security forces or police specialty code may attend with prior coordination.

2.2. Physical/Medical: Top physical condition, NO injuries that could prevent member from training.

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.2.4. The following is a table of minimum physical requirement on the first day of training:

Age	Minimal Push-Ups Required	Minimal Sit-Ups Required	2-Mile Run Time
17-21	52	62	≤14:54
22-26	50	57	≤15:36
27-31	48	52	≤16:18
32-36	43	48	≤17:00
37-41	42	43	≤17:42
42-46	36	39	≤18:06
47-51	32	37	≤18:36

**\*Note:** It is imperative to note that students not meeting the minimum physical fitness requirements will be removed from the course. Country managers should ensure that personnel selected to attend this course assess their students' physical condition prior to course attendance using the standards listed above.

2.3. Uniform/Equipment: Uniform: See general clothing requirements. All required specialized gear will be provided.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M1a, M1b, M1c, M1d, M1e, M2a, M2b, M3b, M3i, M4b, M4c, M4d, M5a, M5c, and M5e.

- **Note:** To get the most out of the Special Reaction Team (SRT) course (MASL 173067) and have a student that can better meet the challenging demands of the career field, we **highly encourage** attending the Anti-terrorism (AT) level I and II (MASLs 126013 and 126014) offered just before the SRT course. Elements of AT level I and II are used and applied during the SRT course. The countries not only save funds but also get three courses during one visit to IAAFA.

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COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1760060SRA (MASL 176006)	Rule of Law and Disciplined Military Operations	1 Week
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 20		

**1. Course Description:** The objective of this course is to teach international officers and NCOs of any military force the basics of the international rules of law and their impact on human rights, including how these international standards fit into the planning of military operations. This information is vital to any country that may participate in international peacekeeping missions sponsored by the United Nations. The Defense Institute of International Legal Studies, a field activity of Defense Security Cooperation Agency, teaches this course at IAFA.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-6, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal manual dexterity.

2.3. Uniform/Equipment: See General Clothing Requirements in the General Information section. Normally, this class does not require mess dress since it is held after end-of-training cycle (no graduation banquet).

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, and A6 and the following DOD/USNORTHCOM/TSCP objectives: M1a, M1b, M1c, M1d, M1e, M2a, M2b, M3b, M3i, M4b, M4c, M4d, M5a, M5c, and M5e.

**AIRCRAFT AND SYSTEMS TRAINING COURSES**

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1330600SRA (MASL 133060)	Avionics Communication/Navigation Equipment Technician	12 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This specialized course provides students with training on inspection, maintenance, alignment, repair, and installation of avionics communications/navigation equipment. Upon completion, students will identify theory of operation, analyze schematics and have acquired hands-on training on minimum performance tests and alignments. This course includes the following units of instruction: ADF-60, VIR-30 VOR/ILS navigation system, AN/ARC 186-2 VHF radio, AIC-18 intercommunications system, and DME-40. Students are required to pass a written and/or performance test at the end of certain blocks prior to advancement to the next block of instruction.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent. Successful completion of Electronic Fundamentals, MASL D131119, or equivalent electronic fundamentals course.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: Battle Dress Uniform and non-conductive plastic frames for eyeglasses are mandatory for students who wear glasses.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412420SRA (MASL 141242)	T-53-L-13 Engine Technician	5 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 8		

**1. Course Description:** This course is designed to provide jet engine technicians with a thorough understanding of all T-53-L-13B engine systems, sub-systems, and general maintenance procedures. Students learn the necessary skills to perform intermediate and organizational level maintenance on the T-53-L-13B engine. This course includes the following units of instruction: engine system familiarization and operation, T-53 engine components and maintenance procedures, and UH-1H helicopter engine maintenance. Students are required to pass a written and/or performance test at the end of certain blocks prior to advancement to the next block of instruction.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent. Successful completion of an apprentice-level jet engine course or two years of practical experience in the jet engine field.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** In Addition to the uniform requirements, students should bring item(s) to perform a country presentation at the academy.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3OZR1412430SRB (MASL 141243)	Aircraft Maintenance Officer	10 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This course is designed for officers in aircraft maintenance leadership and management positions by giving them the tools and training in the essential areas of the maintenance career field. The curriculum provides maintenance management skills that help develop, prepare, execute, and sustain maintenance activities, it also helps the understanding of the organizational structures and management techniques used in the planning and developing of functional areas within a maintenance organization. This course includes the following units of instruction: Operational Risk Management (ORM), Quality Assurance/Control (QA), Aircraft Generation, Process Improvement, Technical Order System, On-the-Job Training Program, Supervisory Management, Logistic and Supply Programs, and Intro/Safety Programs.

**2. Course Requirements:**

2.1 Eligibility: Officers in the grades of O-1 through O-6, police, or civilian equivalent. Basic maintenance knowledge is highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following the utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** Students are encouraged to bring material in reference to a problem in a process within the organization to do a country presentation.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.



COURSE NUMBER	COURSE NAME	LENGTH
L3AQR1412470SRA (MASL D141247)	Aircraft Pneudraulics Systems Technician	12 Weeks
<b>STUDENT LOAD:</b> MIN: 4            MAX: 12		

**1. Course Description:** This course provides training in the fundamentals of aircraft pneudraulics systems at the apprentice level enabling students to become proficient on hydraulic and pneumatic principles, system theory, hydraulic system and subsystem operation, on-aircraft troubleshooting techniques and related system support equipment. Students are required to pass a written and or performance test at the end of certain blocks prior to advancement to the next block of instruction. This course includes the following units of instruction: tools and aircraft hardware, fundamentals and publications, maintenance equipment, basic components of a hydraulic system, subsystem components, operation of pneudraulic system and subsystems, wheel brake assemblies, and shock absorbing devices and brake systems.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing.

2.2.3. Other: Normal manual dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements section, utility uniform, battle-dress uniform or equivalent, and steel toe boots are required.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

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COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412490SRA (MASL 141249)	Aircraft Maintenance Superintendent	10 weeks
<b>STUDENT LOAD:</b> MIN: 4            MAX: 12		

**1. Course Description.** This course is designed for experienced senior non-commissioned officers and civilian equivalents who perform supervisory duties and assume a greater leadership role within a maintenance complex. Training includes quality assurance, total quality management, technical order system, supervisory on-the-job training, weight and balance, supervisory management, and organization structure and logistics. The training received will increase the individual's knowledge and understanding of maintenance operations and increase their ability to function as a senior maintenance supervisor.

**2. Course Requirements:**

2.1. Eligibility: Open to military members between the ranks of E-7 through E-9, police or civilians equivalent.

2.2. Medical requirements:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Speech: Normal hearing and speech.

2.2.3. Physical: Normal dexterity.

2.3. Uniform/Equipment: See general clothing requirements.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3b, M3i, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AQR141251SRA (MASL 141251)	Aircraft Technician	12 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This course is designed to train aircraft maintenance technician apprentices on operational principles and theory of ground safety, aircraft systems and sub-systems, component description and operation, aircraft ground handling, inspection, servicing procedures, and operation of aerospace ground equipment. The course provides aircraft familiarization to personnel that will be assigned to heavy aircraft (bombers, tankers, and airlift) and/or light aircraft (fighters, trainers, and attack). This course includes the following units of instruction: familiarization, aircraft general, electrical system, utility systems, pneudraulics system, flight control system, fuel systems and engine systems. Students are required to pass a written and or performance test at the end of certain blocks prior to advancement to the next block of instruction.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent. Basic personal computer knowledge is highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412530SRA (MASL D141253)	Avionics Instrument Technician	12 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This course is designed to take students through all phases of various avionics guidance and control systems. Additionally, they learn identification and relationship of associated systems. Students are able to state principles and facts for all systems and associated systems, and will have in-depth understanding needed to work these systems throughout their careers. Students are required to pass a written and/or performance test at the end of certain blocks prior to advancement to the next block of instruction. This course includes the following units of instruction: electromechanical device, direct pressure and liquid quantity indicating systems, barometric flight instruments, engine instrument systems, compass systems, stall warning and autopilot system, and integrated flight instruments systems.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412540SRA (MASL 141254)	Aircraft Electrical Fundamentals Technician	12 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This course provides aircraft electrical fundamentals for the apprentice level student. The course is the foundation for aircraft electrical system maintainers. They will have the knowledge to confidently repair aircraft electrical systems. Students are introduced to aircraft safety, electrical theory and principles, equipment and maintenance, and operational procedures. Instruments, communication, navigation, and armament systems are excluded. This course includes the following units of instruction: fundamentals principles of electricity, maintenance fundamentals, alternating current (a/c) power systems, direct current (d/c) power systems, miscellaneous systems and troubleshooting techniques. Students are required to pass a written and or performance test at the end of certain blocks prior to advancement to the next block of instruction.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses), plastic or non-conductive frame glasses (if worn).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** Members are encouraged to bring material to do a country presentation.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AQR1412570SRA (MASL 141257)	Basic Helicopter Crew Chief	12 weeks
<b>STUDENT LOAD:</b> MIN: 5                      MAX: 10		

**1. Course Description:** This course is designed for personnel entering the helicopter maintenance field. The training includes ground safety, tools control, technical manuals, airframe familiarization, landing gear maintenance, special and common tool knowledge, hydraulic, electrical, instruments and avionics system familiarization, rotary wing aerodynamics, major component removal and installation, flight control system rigging, T-53 engine familiarization with removal and installation, drive train systems maintenance, familiarization with vibrations applicable to helicopters. This course includes the following units of instruction: general subjects, general helicopter maintenance, helicopter systems, helicopter power plant, main and tail rotor systems, power train system, and flight control systems.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AQR1412590SRA (MASL 141259)	C-130B/E/H Aircraft Technician	8 weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 10		

**1. Course Description:** This is an essential course designed to provide aircraft journeyman the guidance to develop advanced troubleshooting skills, schematic interpretation, and systems operation specific to the C-130 through latest Simulated Based Training Aid (SBTA). The SBTA's are real-time simulations that reproduce the normal/abnormal behaviours of the C-130 aircraft. This method of training builds student confidence as it provides a safe training environment. This fast-paced training is composed of six blocks of instruction covering the C-130 systems in their entirety. This course includes the following units of instruction: aircraft general, electrical systems, fuel systems, utility systems, hydraulic systems, and propulsion system.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412600SRA (MASL 141260)	C-130 B/E/H/ T-56 Engine Technician	6 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 10		

**1. Course Description:** The course is designed to provide advanced operating principles and theory of the T-56 engine and to establish a solid maintenance foundation for beginning journeymen. Students will be given thorough technical instruction to evaluate conditions and make proper repair decisions of engine operating systems and subsystems. This course includes the following units of instruction: T-56 engine familiarization, T-56 system operation, and in-shop maintenance. Students are required to pass a written and or performance test at the end of certain blocks prior to advancement to the next block of instruction.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent who have completed an apprentice-level jet engine course or two years of practical experience in the jet engine field.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** In Addition to the uniform requirements, students should bring item(s) to perform a country presentation at the academy.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.



COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412610SRA (MASL 141261)	C-130 B/E/H Propeller Technician	5 Weeks
<b>STUDENT LOAD:</b> MIN: 4            MAX: 10		

**1. Course Description:** This course is designed to provide C-130 B/E/H propeller technicians with advanced operational theory and hands-on maintenance training in order to establish a solid craftsman foundation. With this extensive knowledge furnished by the curriculum, the students will be able to analyze facts and draw conclusions related to operation and troubleshooting of the propeller's systems and subsystems. Students are required to pass a written and or performance test at the end of certain blocks prior to advancement to the next block of instruction. This course includes the following units of instruction: propeller familiarization, propeller electrical systems, and flightline and in-shop maintenance.

## **2. Course Requirements.**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent who have completed an apprentice-level propeller technician course or have one or two years of propeller maintenance experience.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** In Addition to the uniform requirements, students should bring item(s) to perform a country presentation at the academy.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412800SRA (MASL 141280)	PT-6A Engine Technician	4 Weeks
<b>STUDENT LOAD:</b> MIN: 4            MAX: 10		

**1. Course Description:** This course is designed to provide PT-6A engine technicians advanced operational theory, hands-on maintenance training, and establish a solid craftsman foundation with extensive operational knowledge and intermediate level maintenance skill. The student will be able to troubleshoot, analyze facts and draw conclusions related to the operation and workings of the PT-6A engine and engine subsystems. Students are required to pass a written and or performance test at the end of instruction. This course includes the following units of instruction: PT-6A engine familiarization, hot section inspection, and maintenance.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent who have completed an apprentice-level jet engine course or two years of practical experience in the jet engine field.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** In Addition to the uniform requirements, students should bring item(s) to perform a country presentation at the academy.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1412820SRB (MASL D141282)	Corrosion Control Technician	6 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 8		

**1. Course Description:** This course is designed to train maintenance personnel in the fundamentals of corrosion. Students learn procedural requirements for the detection, prevention, and treatment of corrosion on aircraft and equipment. Focus is placed on safety, proper technical order usage, surface preparation and coating application techniques. Finally, students will learn the fundamentals of painting aircraft parts. This course includes the following units of instruction: fundamentals, corrosion removal and surface treatment, and application of coatings. Students are required to pass a written and/or performance test at the end of certain blocks prior to advancement to the next block of instruction.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent. Basic personal computer knowledge is highly desirable.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal manual dexterity. Must not have any physical or medical condition that will prevent the wearing of a full-face respirator.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1413040SRB (MASL 141304)	UH-1H Helicopter Technician	7 weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 8		

**1. Course Description:** This course is designed for personnel working with the UH-1H airframe and its systems. Emphasis is placed on those tasks that relate to the journeymen level such as supervising tasks, operating adjustments, troubleshooting of most common helicopter anomalies. The training includes ground safety, tools control, landing gear maintenance, flight control system inspection and troubleshooting, T-53 engine and related systems inspections, T-53 adjustment procedures, familiarization of rotors and drive train systems, maintenance of rotor system components, use of Vibrex equipment and vibration analyzer, vibrations and their effects, use of technical orders and use of special tools. This course includes the following units of instruction: general subjects, landing gear and flight control systems, T-53-L-13B engine, rotors and drive train system, and Vibrex system.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent. Completed the helicopter crew chief course or equivalent or have one year of practical experience on any rotary wing aircraft.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AAR1413220SRA (MASL 141322)	UH-1N/Bell 212 Helicopter Technician	7 weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 8		

**1. Course Description:** This course was designed for helicopter crew chief working with the UH-1N and/or the Bell 212 airframe and its systems. Emphasis is placed on those tasks that relate to the journeymen level such as operating adjustments, component overhaul and troubleshooting of most common helicopter anomalies. Differences and similarities are discussed between the UH-1N and Bell 212 helicopters. The training includes, ground safety, airframe maintenance, maintenance directives, landing gear maintenance, hydraulic, electrical, instruments and avionics system familiarization, rotary wing aerodynamics, inspections of drive train system components, disassemble, inspect and assemble main rotor hub and drive shaft components, PT-6B/T-400 engine and related systems inspections, engine rigging procedures, flight control system rigging, UH-1 vibration characteristics and causes, and use of vibration troubleshooting equipment as applicable to helicopters. This course includes the following units of instruction: airframe maintenance, twin pack power plant and fuel systems, rotors and drive train system, and flight controls and vibrations.

**2. Course Requirements:**

2.1. Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent. Completed the helicopter crew chief course or have at the minimum one year of practical experience on any UH-1 rotary wing aircraft.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1413870SRA (MASL 141387)	J-85 Engine Technician	10 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 10		

**1. Course Description:** This course is designed for engine specialists who want to receive advanced training on the J-85 engine. This course provides in-shop training, intermediate depot level maintenance, compressor balancing, inspection and repair procedures on the engine, its components, and its sub-systems. The training also includes familiarization with engine operation, engine inspection techniques, and rigging procedures; field level disassembly; compressor repair, total reassembly of the engine and accessories. This course includes the following units of instruction: main engine sections, engine systems, engine teardown, compressor repair, and build-up of the engine.

**2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent who have completed an apprentice-level jet engine course or two years of practical experience in the jet engine field.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing and speech.

2.2.3. Physical/Other: Normal dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls.

**3. Other Information:** In Addition to the uniform requirements, students should bring item(s) to perform a country presentation at the academy.

**4. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.

COURSE NUMBER	COURSE NAME	LENGTH
L3AZR1413960SRA (MASL141396)	Aircraft Structural Maintenance Technician	12 Weeks
<b>STUDENT LOAD:</b> MIN: 4                      MAX: 12		

**1. Course Description:** This course is designed to prepare the aircraft technician for the responsibilities and duties at an apprentice level in the Aircraft Structural Maintenance career field. Students will learn to use tools ranging from hand basic tools to specialized tools. This course teaches them to repair, modify, and fabricate aircraft metal components and assemblies. They will also learn the theory of corrosion to form a better understanding about common aircraft metals. Finally, students will learn the basic theory of advanced composite structures and their repairs. This course includes the following units of instruction: metals identification and characteristics, flat pattern layout, metal layout, power and non-power cutting tools, setback and bend allowances, radius bend, hand and metal forming, rivet identification and pattern layout, corrosion principles, HAZMAT management, pneumatic riveting, damage classification, flush non-flush and combination repair, special fasteners, tubing assemblies, fiber glass repair introduction to advanced composites, vacuum-bag and hot bonder setup. Students are required to pass a written and or performance test at the end of certain blocks prior to advancement to the next block of instruction.

## **2. Course Requirements:**

2.1 Eligibility: Open to military members no higher than the rank of O-4, police, or civilians equivalent.

2.2. Physical/Medical:

2.2.1. Vision: Normal (20/20 with or without glasses).

2.2.2. Hearing/Speech: Normal hearing with no speech impediments.

2.2.3. Physical/Other: Normal manual dexterity.

2.3. Uniform/Equipment: In addition to the uniform requirements listed in the General Clothing Requirements in General Information section, students in this course are required to bring the following utility or work uniform: BDUs, fatigues, coveralls. Steel toe boots and goggles.

**3. Theater Objectives:** This course supports the following DOD/USSOUTHCOM/TSCP objectives: A2, A4, A6, C1, and C3 and the following DOD/USNORTHCOM/TSCP objectives: M2a, M3i, M4a, M4c, M4d, M5a, M5c, and M5e.